

FIG. 1 is a schematic diagram of a system 100. The system 100 includes a vehicle 102, a sensor 104, and a communication link 106. The vehicle 102 is shown as a series of three rounded rectangles. The sensor 104 is shown as a small rectangle with a square and a circle inside. The communication link 106 is shown as a line with a zigzag section. The vehicle 102 is moving to the right, as indicated by the arrow labeled 'v'. The sensor 104 is positioned below the vehicle 102. The communication link 106 connects the vehicle 102 to the sensor 104. The label 'v(t)' is placed near the communication link 106. The label '100' is placed at the top left of the diagram. The label '102' is placed above the middle rectangle of the vehicle. The label '104' is placed to the left of the sensor. The label '106' is placed near the zigzag section of the communication link. The label 'v' is placed to the right of the vehicle. The label 'v(t)' is placed near the communication link. The label '100' is placed at the top left of the diagram.

100

102

v

$v(t)$

106

104

FIG. 1

200 ↗

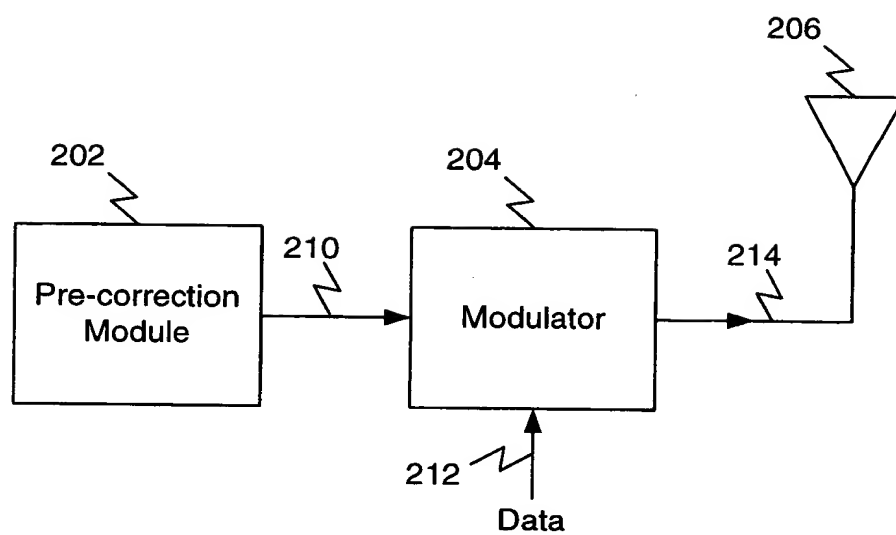


FIG. 2

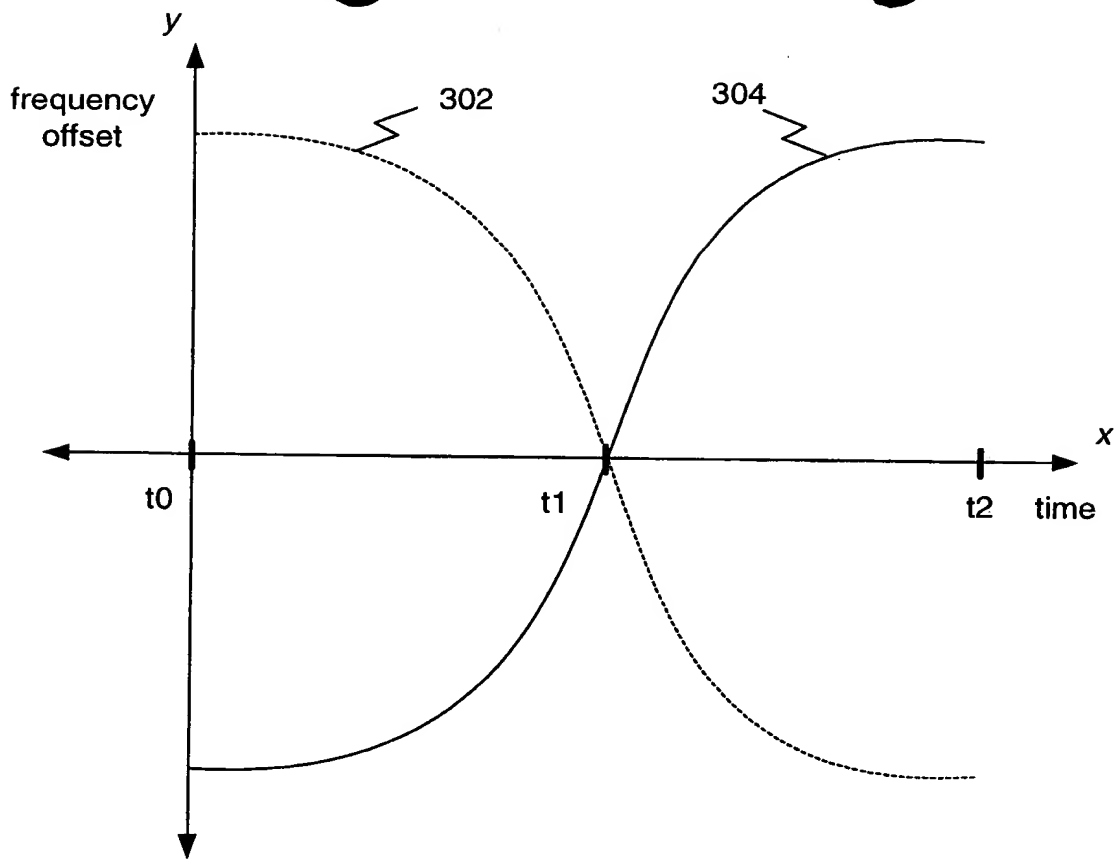


FIG. 3A

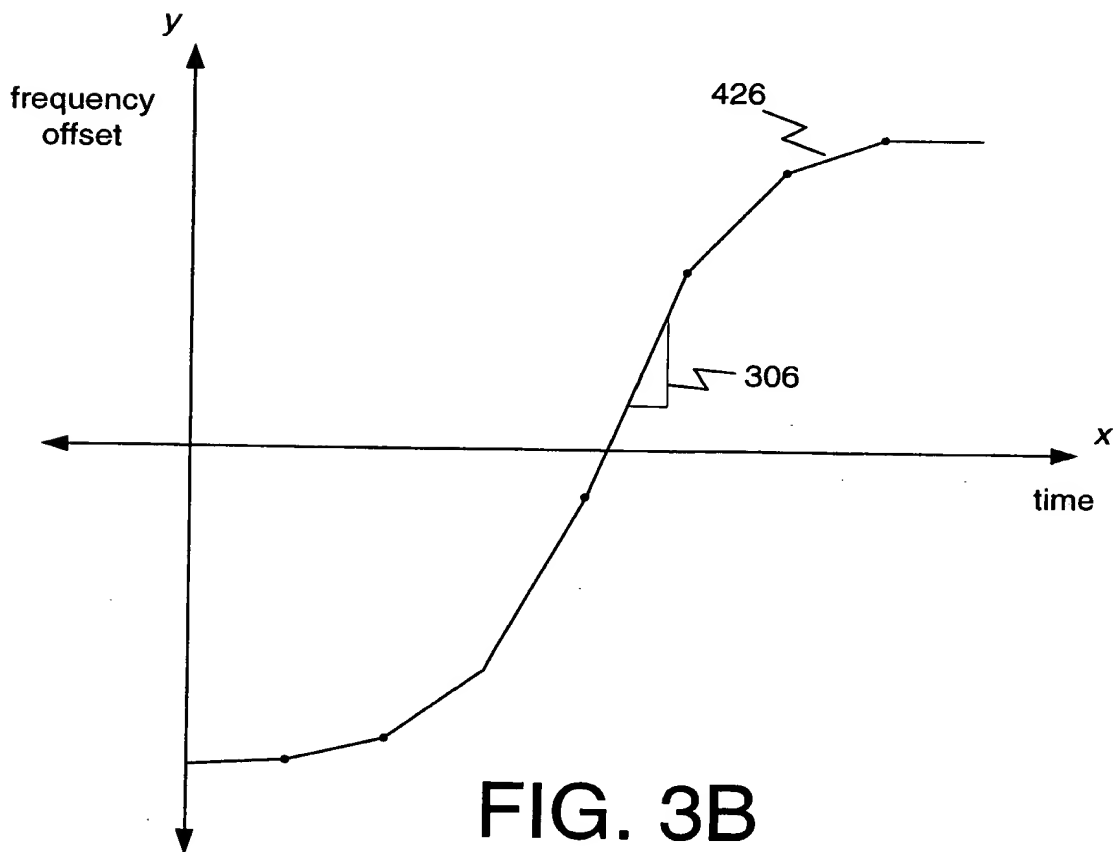


FIG. 3B

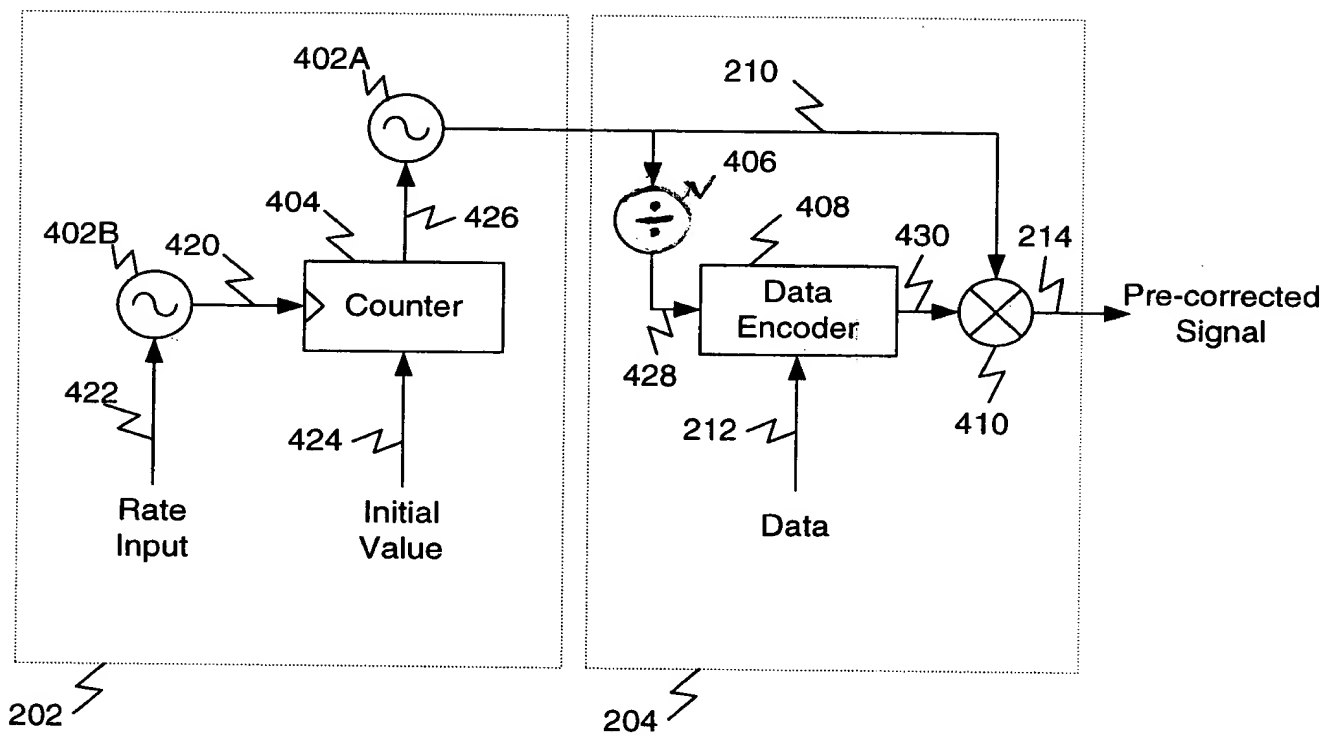


FIG. 4

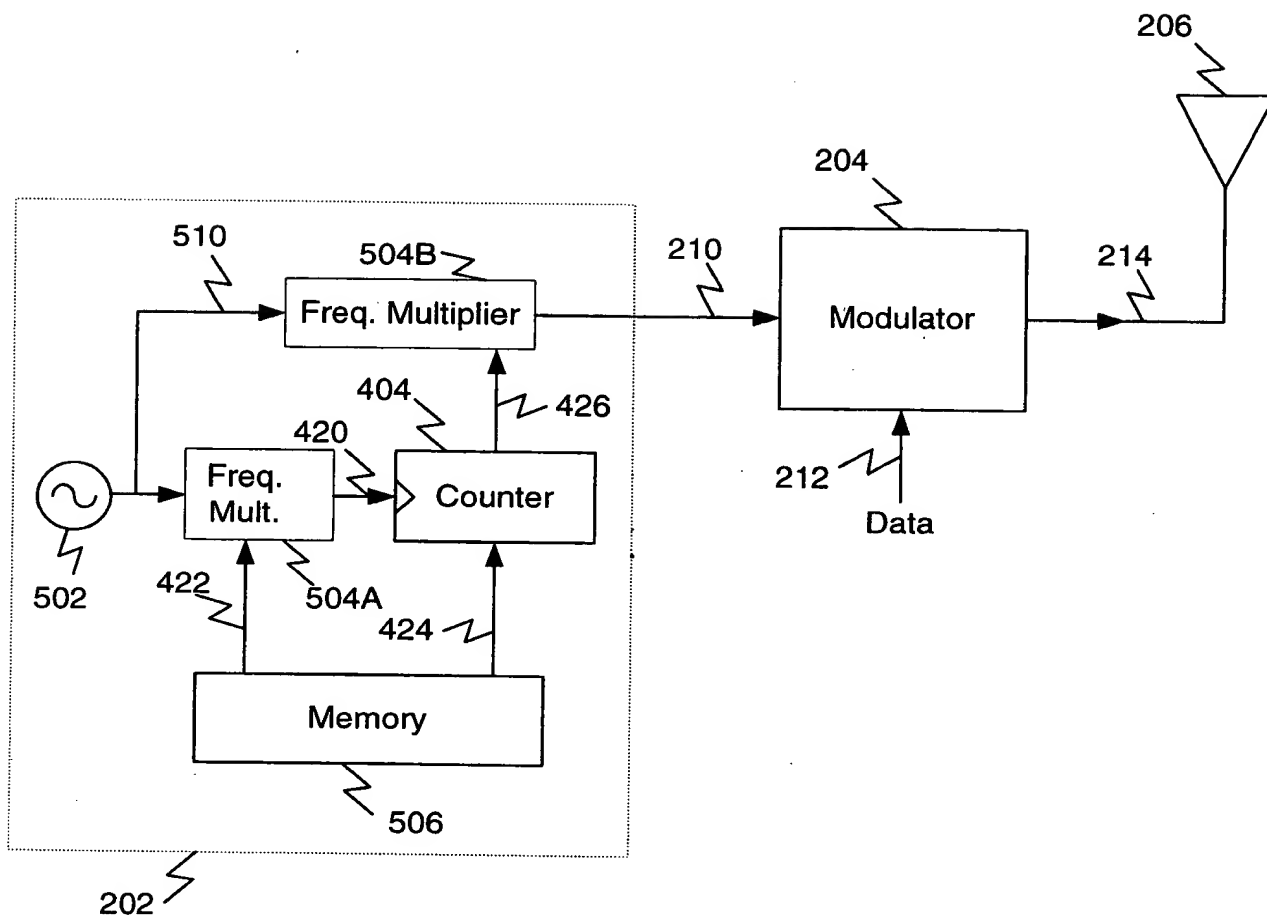


FIG. 5

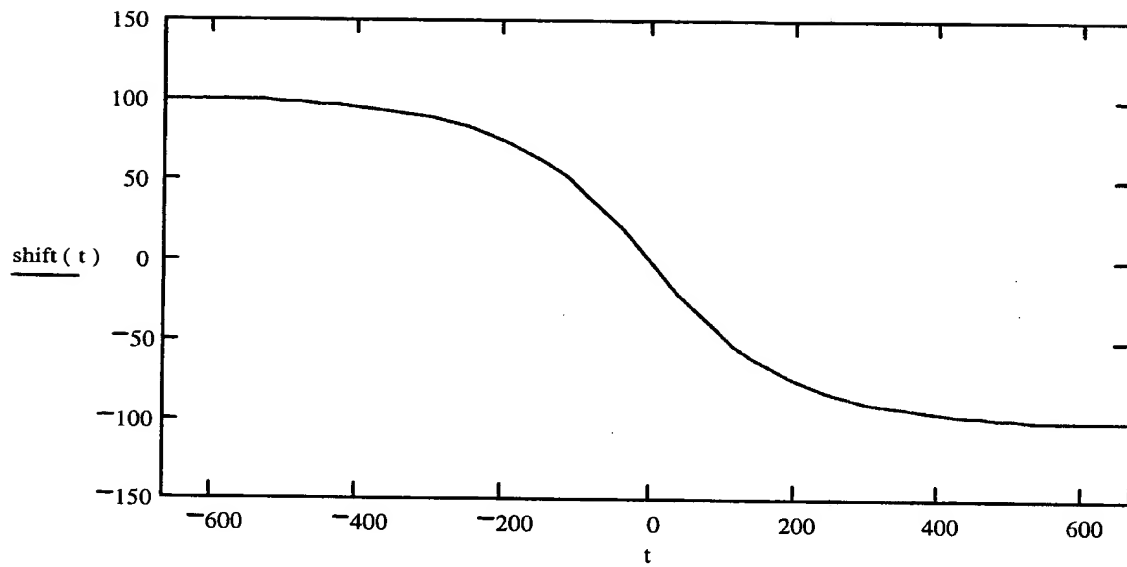


FIG. 6

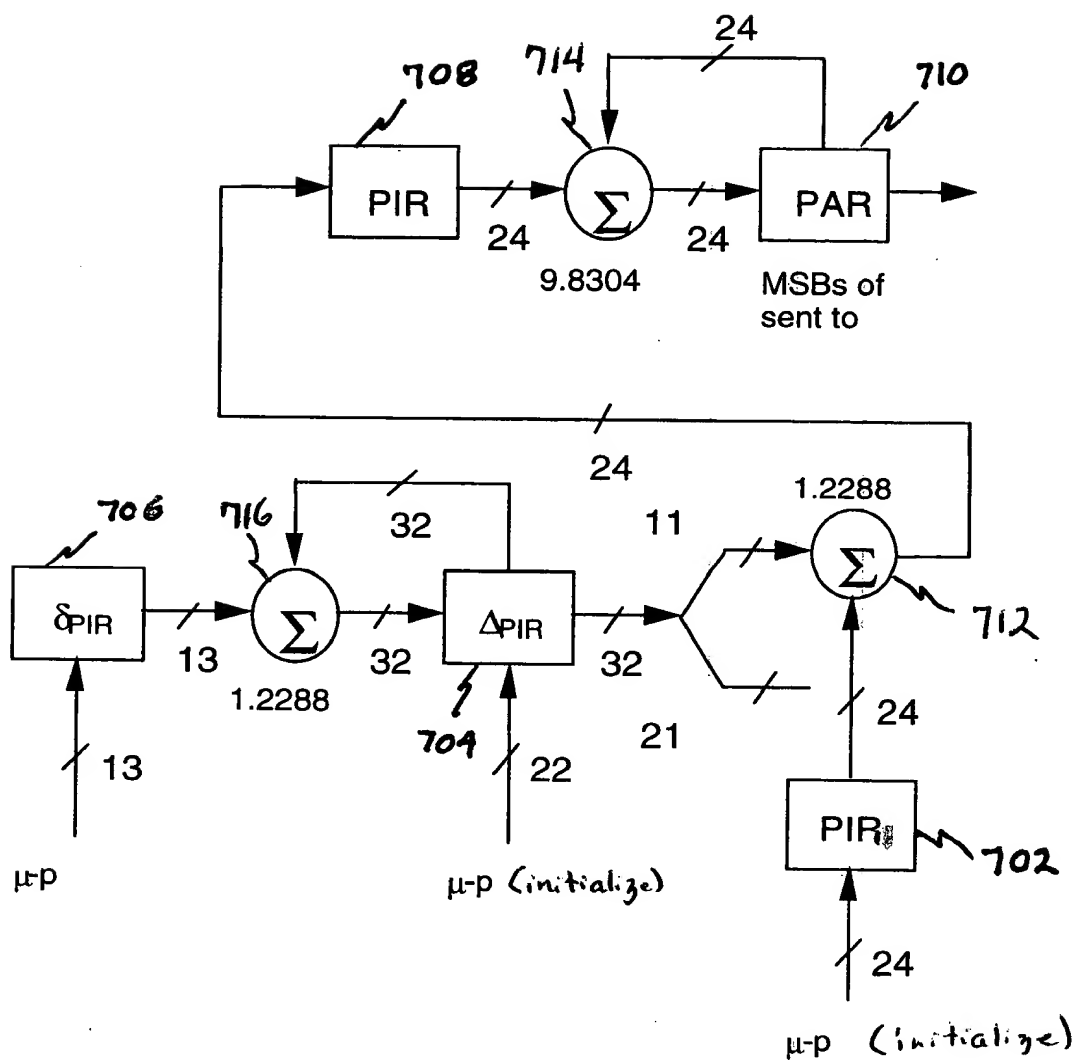


FIG. 7

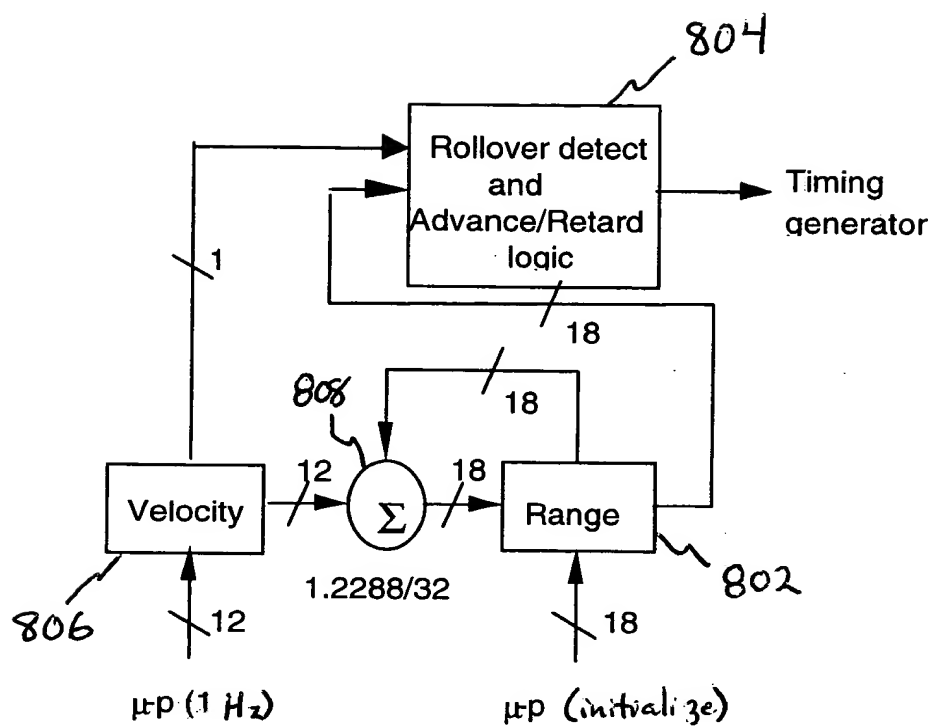


FIG. 8